TSORFAS, S., inzh.

Milling system and the quantitative-qualitative balance in the scouring grinding of rye at the No. 18 flour mill in Borisov. Muk.-elev. prom. 26 no. 11:13-16 N '60.   (MIRA 13:11)

(Borisov--Rye milling)

TSORFAS, S., inzhener.

Milling properties of wheat from Krasnoyar Territory. Muk.-elev. prom. 22 no.8:15-18 Ag '56.   (MLRA 10:8)
(Krasnoyar Territory--Wheat)

TSORFAS, S., inzhener.

Make more extensive use of the achievements of progressive flour mills. Muk.-elev.prom. 21 no.10:13-16 O '55.   (MLRA 9:1)

1.Glavnoye upravleniye mukomol'noy, krupyanoy i kombikormovoy promyshlennosti.
                    (Flour mills)

TSORFAS, S., inzh.; GENSYUROVSKIY, A., inzh.

Flour for the macaroni industry. Muk.-elev. prom. 24 no.10:13-15
O '58.   (MIRA 11:12)

1.Upravleniye mukomol'ne-krupyanykh i kombikormovykh predpriyatiy
Ministerstva khleboproduktov SSSR.
                        (Macaroni)

TSORFAS, S., inzh.; KOTLYAR, L., kand.tekhn.nauk; KESTEL'MAN, N., kand.tekhn. nauk

For more extensive introduction of the preventive maintenance of machinery and equipment. Muk-elev.prom. 25 no.1:14-17 Ja '59.
(MIRA 12:3)

1. Odesskiy tekhnologicheskiy institut imeni I.V. Stalina.
(Grain-milling machinery--Maintenance and repair)

TSORFAS, S., inzh.; KOTLYAR, L., kand.tekhn.nauk

Methods of determining the productive capacity of grain-milling
enterprises. Muk.-elev.prom. 26 no.7:23-25 Jl '60.
(MIRA 13:8)

(Flour mills)

KHORTSEV, B., inzh.; TSORFAS, S., inzh.

Obtaining a 75° yield in flour milling. Muk.-elev.prom. 25
no.3:13-15 Mr '59.   (MIRA 12:6)

1. Goskomitet Soveta Ministrov SSSR po khleboproduktam.
                        (Grain milling)

TSORFAS,S., inzhener

Quality of wheat from eastern regions. Muk.-elev.prom.21 no.6:
14-15 Je '55.   (MLRA 8:10)

1. Glavnoye upravleniye mukomol'noy, krupyanoy i kombikormovoy
promyshlennosti
                          (Wheat milling)

TSORFAS, S., inzh.

Work practices in grain mills equipped with pneumatic transportation
units. Muk.-elev.prom. 28 no.3:5-8 Mr '62.   (MIRA 15:4)
     (Flour)   (Pneumatic-tube transportation)

TSORFAS, Z.

TSORFAS, Z., inzhener;   FRIMERMAN, A., inzhener.

Mill practices.   Muk.-elev.prom. 20 no.12:22-24 D '54.
(MLRA 8:3)

1. Glavnoye upravleniye mukomol'noy, krupyanoy i kombikormo-
voy promyshlennosti (for TSorfas). 2.Mel'nitsa No.1 Stavropol'-
skogo tresta Glavmuki (for Frimerman).
(Grain milling)

TSORIONOV, B.I., kand.med.nauk; NATSVLISHVILI, G.A.

Some data on the surgical anatomy of the arch of the aorta and of
the common carotid artery based on transcarotid aortography. Kaz.
med. zhur. no.6:23-25 N-D '60.   (MIRA 13:12)

1. Kafedra gospital'noy khirurgii (zav. - dyestvitel'nyy chlen AMN
SSSR prof. B.V. Petrovskiy) 1-go Moskovskogo meditsinskogo instituta
imeni I.M. Sechenova.
          (CAROTID ARTERY)   (AORTA---RADIOGRAPHY)

TSORIONOV, B.I. (Moskva, ul. 4-ya Parkovaya, d.31, kv.53)

Classification of surgical approaches to the subclavian and innominate vessels. Nov.khir.arkh. no.6:53-58 N-D '57.   (MIRA 11:3)

1. Kafedra gospital'noy khirurgii (zav. - chlen-korrespondent AMN SSSR prof. B.V.Petrovskiy) 1-go Moskovskogo meditsinskogo instituta.
       (BLOOD VESSELS--SURGERY)   (CHEST--SURGERY)

TSCHIGNOV, B.I., Cand Med Sci—(diss) "Anatomy-surgical substantiation of du operative approaches to the innominate and subclavicular blood vessels." Mos, 1958. 19 pp (First Mos Order of Lenin Med Inst im I.M. Sechenov), 220 copies (KL,25-58, 120)

- 131 -

TSORIONOV, B.I.

TSORIONOV, B.I.

     Papillomatosis of the gall bladder. Khirurgiia no.7:87 Jl '55.
                                     (MLRA 8:12)

1. Iz kliniki gospital'noy khirurgii Severo-Osetinskogo
meditsinskogo instituta.
          (GALL BLADDER--TUMORS)

ANDERS, V.; KNOTEK, O.; BIRK, I.; OPITS, G.; TSORN, K.; YEGER, V.
KEGEL', F.; SHUL'TSE, V.

Reports of the large welding conference of the Association
of West German Welders. Avtom.svar. 10 no.3:123 My-Je '57.
(MLRA 10:8)

(Germany, West--Welding)

TSOTNIASHVILI, V. N., Master Med Sci —(diss) "A combination of stomach cancer and
the tuberculosis of other organs." Leningrad, 1957, 16 pp (First Leningrad Med Inst
im. I. P. Pavlov.Dept of Faculty Surgery & Dept of Lung Tuberculosis), 150 copies.

(KL, No 40, 1957, p.96)

TSOTNIASHVILI, V.N. (Leningrad, ul. L. Tolstogo, d. 6/8)

Combination of gastric cancer and tuberculosis. Vest.khir. 82
no.2:96-97 F '59.   (MIRA 12:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki(zav. - prof. V.I.
Kolesov) 1-go Leningradskogo meditsinskogo instituta imeni I.P.
Pavlova.
          (TUBERCULOSIS, GASTROINTESTINAL, case reports
               stomach, with cancer of stomach (Rus))
          (STOMACH NEOPLASMS, case reports
               with tuberc. of stomach (Rus))

S/123/61/000/006/003/020
A004/A104

AUTHORS: Tsotskhadze, V. V., and Razmadze, G. I.

TITLE: The wear of cermet and ceramic sintered carbides during the cutting
             of hot rolled material

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 6, 1961, 31, abstract
             6B221 (Tr. Gruz. politekhn. in-t., Shromedi, 1959, no. 3 [64],
             155-165, Georgian summary)

TEXT: The authors comment on the low life of steel disk saws during the
cutting of hot rolled material   To search expedient cutting materials, the
sintered carbide grades T15K6, T60K6, T94N1Fe6, HT2 (NT2), the mineral-ceramic
ЦM332 (TsM332) alloy and the German mineral-ceramet C40 (S40) alloy were
investigated. The authors present comparative durability tests of the materials
under investigation during continuous (turning) and non-continuous (milling)
cutting. The life indices of the cutting materials were rated by the results of
the cutting tool wear. Based on the test data it was found that the T15K6 sin-
tered carbide is a suitable material for the cutting of hot rolled material,
although the NT2 grade sintered carbide has some prospects for the cutting of hot

Card 1/2

The wear of ceramet and ceramic ...

S/123/61/000/006/003/020
A004/A104

rolled material if the rolling process is accompanied by a fixed cutting rytrm.
There are 8 figures, 2 tables and 6 references.

I. Bernshteyn

[Abstractor's note: Complete translation]

Card 2/2

TSOTSKHADZE, V.V., kand. tekhn. nauk, dotsent

Determining the cutting temperature by standard physicomechanical
characteristics of metals and alloys. Izv. vys. ucheb. zav.;
mashinostr. no.1:151-160 '65.   (MIRA 18:5)

TSOTSKHADZE, V.V., kand.tekhn.nauk, dotsent

Cutting temperature in turning preheated metal. Vest.mashinostr. 43
no.11:51-53 N '63.   (MIRA 17:2)

TSOTSKHADZE, V.V., kand.tekhn.nauk, dotsent

Temperature measurement during metal cutting. Vest.mashinostr. 43 no.
11:66-69 N '63.   (MIRA 17:2)

S/0122/63/000/011/0051/0053

ACCESSION NR: AP4000983

AUTHOR: Tsotskhadze, V. V. (Candidate of technical sciences, Docent)

TITLE: Cutting temperature in turning preheated metal

SOURCE: Vestnik mashinostroyeniya, no. 11, 1963, 51-53

TOPIC TAGS: hot machining, cutting temperature, cutting temperature measurement, heat resistant alloy machining, hot machining rate, metal cutting, heat resistant alloy, alloy machining, machining rate

ABSTRACT: The contact temperature during cutting of preheated steel 45 and alloy EI617 for different cutting conditions was investigated on the device shown in Fig. 1 on the Enclosure. The extension (2) of the test piece (1) serves as the cold junction of the working piece-cutting tool thermocouple (4 and 8). The tail stock (3) and spindle (6) are insulated from the rest of the machine by insulation (7), (8 is a slip-ring). Curves of surface temperature (measured with a platinum-platinum-rhodium thermocouple) as a function of cutting speed (5-80 m/min) for different initial temperatures (20-930C) were obtained for steel 45 and alloy EI617 with a cutter made from T5K10 alloy. For steel 45 the temperature increased from 900-1200C as velocity increased from 5-80 m/min (920C initial temperature) and
Card 1/2

ACCESSION NR: AP4000983

from 650-900C as velocity increased from 30-80 m/min (20C initial temperature). For alloy EI617 the curves were slightly higher. The relationship could be expressed as $\theta_{rg} = \theta_{rh} + \theta (1-m)$; where θ_{rg} = contact temperature, θ_{rh} = surface temperature without preheat, θ_n = preheat temperature and m depends upon the material (m = 0.635 for steel 45, m = 0.57 for alloy EI617). Orig. art. has: 4 figures and 4 formulas.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 13Dec63

ENCL: 01

SUB CODE: IE, ML

NO REF SOV: 000

OTHER: 000

Card 2/2

TSOTSKHADZE, V. V.

"Temperature During Metal Cutting." Cand Tech Sci, Georgian Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov, Min Higher Education USSR, Tbilisi, 1955. (KL, No 17, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

TSOTSOV, I.

Mechanization of spring and summer cultivation of the soil in orchards.

P. 9, (Mashinizirano Zemedelie) Vol. 8, no 4, Apr. 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, 11 November 1957

TSOTSOV, I.

Mechanized hoeing and cutting of leaves from strawberry plants. p. 15.

Vol. 6, no. 10, Oct. 1955
MASHINIZIRANO ZEMEDELIE
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

S/194/62/000/001/064/066
D201/D305

AUTHOR: Tsouf, Miloslav

TITLE: Tesla instruments for line communication measurements

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
           no. 1, 1962, abstract 1-8-5 shch (Kovo export (ČSR),
           1961, 7, no. 5, 11-18)

TEXT: Information on instruments produced at the Tesla (Czecho-
slovakia) factory for measuring the equipment and channels of high
frequency radio and telegraphy systems. The following instruments
are manufactured by the factory for HF-communication measurements:
sine wave generator type 12XI009 (frequency range 0.3 - 300 kc/s,
output level -0.7-+2.1 nepers, up to 60% modulation of AF output
between 0.2 - 5 kc/s); frequency calibrator type 12XXX037; wide-
band level meters types 12XN023 (range -7-+2.5 nepers, frequency
band 300 kc/s to 2 mc/s) and 12XN012 (range -8-+3.1 nepers, fre-
quency band 0.3 - 300 kc/s); level selective indicator type
12XN020 (frequency band 3 - 300 kc/s, sensitivity -13 nepers,

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S/194/62/000/001/064/066
D201/D305

Tesla instruments for ...

distortion attenuation 7 nepers); attenuator pads (from 0 to 15,21 nepers, 150 or 600 ohms characteristic impedance, frequency range 0 to 2 mc/s). There is also, besides the above, a portable measuring set for the frequency band 0.3 - 550 kc/s, consisting of a 12XI035 generator and of a level indicator 12XN042 with a measurement range -7-+2.5 nepers within the frequency band 0.3 - 550 kc/s or of a selective indicator for the frequency band 10- 550 kc/s and measurement range -10-+2.5 nepers. Apart from basic measurements the set may be used for measuring impedances from 50 ohms to 10 kiloohms, with direct visual pointer readings. The following items are also manufactured: Resolved components bridge for 50 c/s to 0.5 mc/s range; interference voltage measuring set 12XN031; non-linear distortion meter for the frequency range 100 c/s - 20 kc/s, etc. A special oscilloscope is produced for visual observation of frequency responses within either the 20 c/s - 20 kc/s (either li-near or logarithmic scale) or the 0.2 - 6 kc/s band (logarithmic scale). For telegraphy measurements a special 12XX038 stroboscopic distortion meter is being produced (rectangular pulses with mark-to-space ratio 1:1, 1:6, 6:1, 2:2 speed 40 to 60 bands); relative

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Tesla instruments for ...   S/194/62/000/001/064/066
                                             D201/D305

distortion meter 12XX052 (for the international 5-digit code, speed
50 bands); electronic telegraphy distortion meter 12XX054. The ba-
sic characteristics of all instruments are given, special design
features described and an external view of some of them reproduced.
/ Abstracter's note: Complete translation. 7

Card 3/3

TSOUFOVA, P. [Caufova, P.]; AREND, G. [Arend, H.]; NOVAK, I. [Novak, J.]

Some crystallochemical and physical properties of cobalt-containing barium titanate single crystals. Kristallografiia '9 no.1:113-115 Ja-F '64.   (MIRA 17:3)

1. Fizicheskiy institut Chekhoslovatskoy Akademii nauk, Praga.

ACCESSION NR: AP4012283   S/0070/64/009/001/0113/0115

AUTHORS: Tsoufova, P.; Arend, G.; Novak, I.

TITLE: Some crystallochemical and physical properties of single barium titanate crystals with addition of cobalt

SOURCE: Kristallografiya, v. 9, no. 1, 1964, 113-115

TOPIC TAGS: barium titanate, cobalt doped barium titanate, physical properties, absorption spectrum, dielectric constant, ceramics, V color center

ABSTRACT: Chemical analysis has shown that Co ions replace Ti ions in the $BaTiO_3$ lattice and that for the most part they occur in bivalent form. A peak of 0.52 microns was observed on the absorption spectrum. This belongs either to a V color center or to a Co ion with higher valence. The introduction of Co ions into the $BaTiO_3$ lattice leads to displacement of the absorption edge. It also very strongly affects phase transitions in $BaTiO_3$. It is impossible to inject the large quantities of Co into $BaTiO_3$ ceramic material that are injected into single crystals. This difference in behavior may be explained by the presence of F ions in the single crystals. The authors' measurements on the physical

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ACCESSION NR: AP4012283

properties of BaTiO₃ with addition of Co are summarized in Figs. 1-3 of the Enclosures. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Fizicheskiy institut ChSAN, Praga (Physics Institute ChSAN)

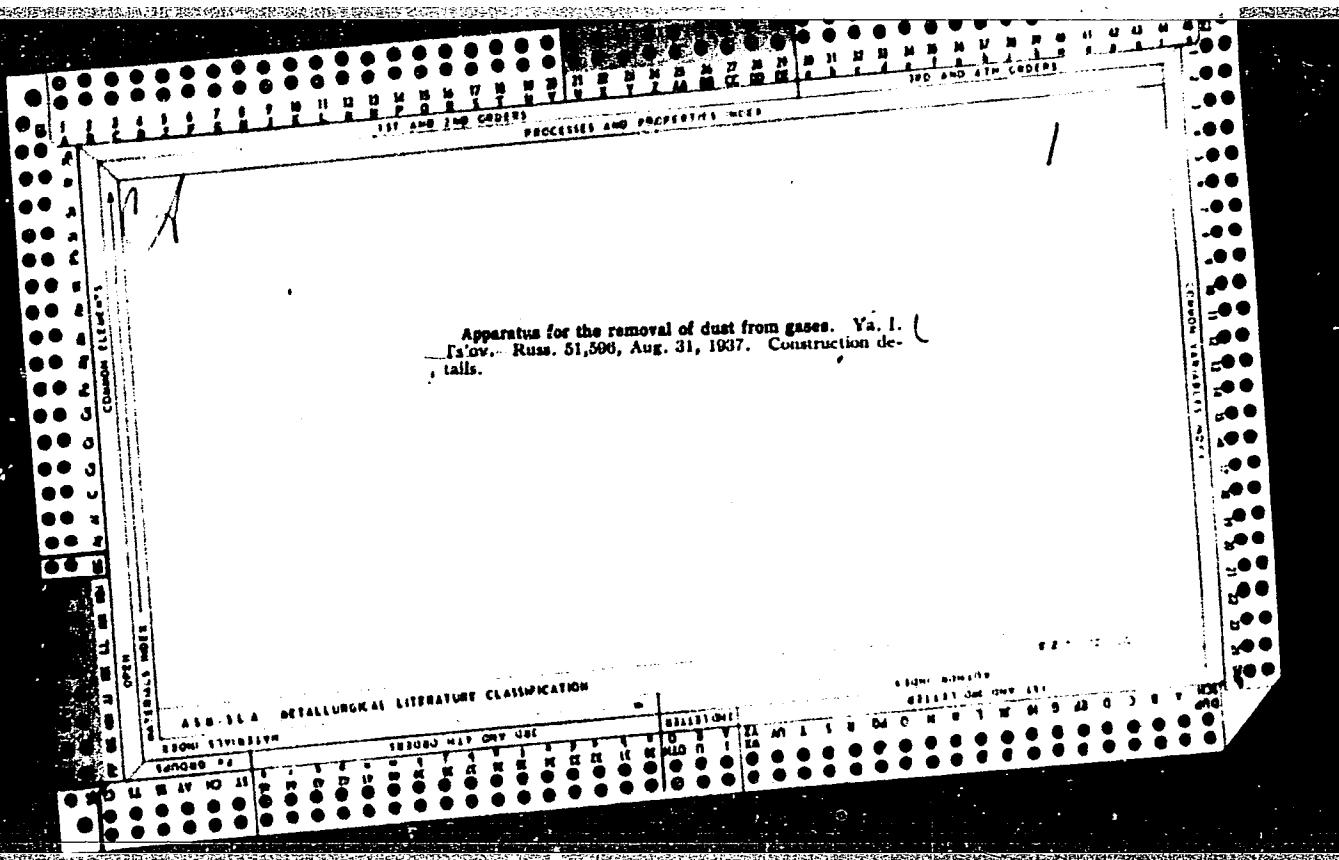SUBMITTED: 21Mar63   DATE ACQ: 19Feb64   ENCL: 03

SUB CODE: PH   NO REF SOV: 001   OTHER: 006

Card 2/5

Complex chemical study of the roots of Ferula pseudo-
reoselinum Lipsky. I. P. Tsukervanik, V. P. Betunitski,
S. V. Dmitrieva and R. I. Aisiknovitch. Hall. Sredudas
Gos. Univ. 1935. No. 21, 55-68; Chimie & Industrie
37, 822. One ton of air-dry Ferula pseudoreoselinum
roots can yield 35 kg. of essential oil, 125 kg. of resin and
70 l. of al. (from the residual carbohydrates). The oil
contains about 80% of α-pinene, about 5% of d-α-phel-
landrene, and a small quantity of cuminaldehyde and of
sesquiterpenes. Its compn. therefore approaches that of
good-quality spirit of turpentine. The resin contains
0.1% of acid-reacting substances, 61.8% of phenols and
39.8% of neutral constituents. The neutral fraction is
allowed to stand and there seps. out an ester of the for-
mula C₁₈H₃₀O₃. The resin is not suitable for paint manuf.
on account of its high volatility and low softening point,
its phenolic fraction, particularly after esterification, has
an appreciably higher softening point (58°), which ap-
proaches that required for paint resin.   A. P. C

A.W.SLA   METALLURGICAL LITERATURE CLASSIFICATION

Apparatus for the removal of dust from gases. Ya. I.
Ts'ov. Russ. 51,506, Aug. 31, 1937. Construction de-
tails.

TSOVYAN, M.V.

Calculating maximum discharges of torrential floods of non-
investigated rivers and streams in the Armenian S.S.R.   Izv.
AN Arm. SSR.   Ser. tekh. nauk   18 no. 2:35-47. '65.

(MIRA 18:12)

1. NIIVPiG Ministerstva vodnogo khozyaystva ArmSSR.

MELIKYAN, N.M.; TSOVYAN, Zh.V.

Characteristics of the formation of the vegetative cones of
potato eyes in the Sevan region and the Ararat Plain. Izv.
AN Arm. SSR. Biol. nauki 16 no.7:85-94 Jl '63.
(MIRA 16:11)

1. Kafedra anatomii i fiziologii rasteniy biologicheskogo
fakul'teta Yerevanskogo gosudarstvennogo universiteta.

MELIKYAN, N.M.; TSOVYAN, Zh.V.

Effect of the use of various fertilizers on the dynamics of lignin
accumulation and structural changes in corn. Nauch. trudy Erev. un,
69 Ser. biol nauk no. 8:61-69 pt. 1 '59.   (MIRA 14:4)

1. Kafedra fiziologii i anatomii rasteniy Yerevanskogo gosudarstven-
nogo universiteta.
          (CORN (MAIZE)--FERTILIZERS AND MANURES)

YEZHKOV, V.V., inzh.; Frinimali uchastiye: TSOV'YANOV, A.N.; PIVOVAROV, V.V.

Effect of additional moments on the dynamic stability of an electric power transmission system containing hydrogenerators. Elektrichestvo no.11:35-41 N '61.   (MIRA 14:11)

1. Moskovskiy energeticheskiy institut (for Yezhkov).
    (Electric power distribution) (Turbogenerators)

VENIKOV, V.A. ; SKRIPNIK, V.F.; TSOV'YANOV, A.N.

Use of digital computers in studying transients in electrical
systems. Izv. AN SSSR. Energ. i transp. no.4:448-465   Jl-Ag
'63.   (MIRA 16:11)

TSOV'YANOV, A.N. (Moskva)

Electromechanical transients during nonsymmetrical short-cir-
cuits. Izv. AN SSSR. Energ. i transp. no.4:475-480 Jl-Ag '63.
(MIRA 16:11)

TSOV'YANOV, A. N.

RYABDOV, Aleksandr Yakovlevich, professor [deceased]; VORANTSOV, F.F.,
redaktor; TSOV'YANOV, A.N., redaktor; FRIDKIN, A.M., tekhnicheskiy
redaktor

[Electric networks] Elektricheskie seti. Izd. 3-e, perer. i dop.
Moskva, Gos. energeticheskoe izd-vo, 1955. 496 p.   (MLRA 8:6)
    (Electric networks)

ANISIMOVA, N.D.; VENIKOV, V.A., prof., doktor tekhn.nauk, laureat
Leninskoy premii; YEZHKOV, V.V.; ZHUKOV, L.A.; NADEZHDIN, S.V.;
ROZANOV, M.N.; FEDOROV, D.A.; TSOV'YANOV, A.N.; LARIONOV, G.Ye.,
tekhn.red.

[Examples and illustrations of transient processes in electrical
systems] Perekhodnye protsessy elektricheskikh sistem v pri-
merakh i illiustratsiiakh. By N.D.Anisimov i dr. Moskva, Gos.
energ.izd-vo, 1962. 383 p.   (MIRA 15:4)

1. Kafedra "Elektricheskiye sistemy" Moskovskogo energeticheskogo
instituta (for all except Lationov). 2. Zaveduyushchiy kafedroy
"Elektricheskiye sistemy" Moskovskogo energeticheskogo instituta
(for Venikov).
     (Transients (Electricity))   (Electric networks)

TSOV'YANOV, Napoleon Arkad'yevich, doktor med.nauk; RYABOV, G.Z.,
red.; BASHMAKOV, G.M., tekhn. red.

[Technique of applying obstetric forceps] K tekhnike nalozhe-
niia akusherskikh shchiptsov. Izd.2., ispr. i dop. Moskva,
Medgiz, 1963. 81 p.   (MIRA 16:7)
                      (FORCEPS, OBSTETRIC)

TSOV'YANOV, A.N. (Moskva)

Consideration of automatic excitation regulation of generators in the calculation of transient processes using electronic computers. Izv. AN SSSR. Energ. i transp. no.4:440-444 Jl-Ag '64.

(MIRA 17:10)

TSOV'YANOV, N.A., prof. (Moskva)

Reduction of funic presentation. Akush. i gin. no.2:146-147
'65.
(MIRA 18:10)

SEVER'YANOV, N.N., kand. tekhn. nauk, red.; BERLIN, A.Ye.,
        retsenzent; VOYTSEKHOVSKIY, G.A., retsenzent;
DAVYDOVA, Ye.A., retsenzent; ZIL'BERSHTEYN, Ya.Yu.,
retsenzent; KIRICHINSKIY, N.R., retsenzent; KLEPIKOV,
L.N., retsenzent; KUBYNIN, A.Ye., retsenzent; LEBEDEV,
V.V., retsenzent; MOROZOV, V.P., retsenzent; MOSKVIN,
V.B., retsenzent; MUSARSKIY, I.S., retsenzent; PODERNI,
Yu.S., retsenzent; SALIKOV, I.A., retsenzent; SUSHCHENKO,
A.A., retsenzent; TRET'YAKOV, K.M., retsenzent; UL'YANOV,
V.P., retsenzent; TSVIRKO, P.P., retsenzent; TSOY, A.G.,
retsenzent; CHEL'TSOV, M.I., retsenzent; SHISHCHITS, G.N.,
retsenzent; DIDKOVSKIY, D.Z., otv. red.

[Handbook on the prospecting, planning, and construction
of strip mines] Spravochnik po izyskaniiam, proektirovaniiu
i stroitel'stvu kar'erov. Moskva, Nedra, 1964. 2 v.
                                        (MIRA 18:2)

YEREMENKO, Yu.A.; LUKIN, Yu.T.; MATYUSHIN, A.M.; PAK, N.T.; TROY, A. Kh.

Studying the accuracy of particle localization in a spark cham-
ber and the ion drift in a Wilson chamber. Izv. AN SSSR Ser. fiz.
28 no.12:2075-2076 D '64.   (MIRA 18:2)

1. Institut yadernoy fiziki AN KazSSR.

STARODUBTSEV, S.V.; GURSKIY, M.N.; TSOY, A.N.

Liquid scintillator for measuring the absorbed doses of nuclear radiation in mixed reactor fields. Izv. AN Uz. SSR.Ser.fiz.-mat. nauk 8 no.5:75-76 '64.
(MIRA 18:2)

1. Institut yadernoy fiziki AN UzSSR.

STARODUETSEV, S.V.; GURSKIY, M.N.; TSOY, A.N.

Measurement of large doses of gamma radiation on the basis of
a liquid scintillator. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk
8 no.6:83-84 '64.   (MIRA 18:3)

1. Institut yadernoy fiziki AN UzSSR.

PAK, M.I.; YEREMENKO, Yu.A.; LUKIN, Yu.T.; TSOY, A.Kh.

    Characteristics of an argon-filled spark chamber. Prib. i
tekh. eksp. 8 no.6:52-54 N-D '63.   (MIRA 17:6)

    1. Institut yadernoy fiziki AN KazSSR.

KUTLUMURATOV, Dzhamurat; TSOY, B., red.

[Development of combinatorial methods in mathematics]
O razvitii kombinatornykh metodov matematiki. Nukus,
Karakalpakiia, 1964. 114 p.   (MIRA 18:5)

BEDILO, V.Ye.; KALINCHUK, I.G.; LISHBERGOV, V.D.; NIKOLAYEV, G.P.; TSOY, D.;
SHCHUKINA, G.F. Prinimali uchastiye: KOLESNIKOV, V.F.; OSTAPENKO,
P.V.; SEDOVA, M.P.; TKACHEV, M.V. DUGIN, Ye.V., otv.red.;
RABINKOVA, L.K., red.izd-va; KOROVENKOVA, Z.A., tekhn.red.; SABITOV, A.,
tekhn.red.

[Types of mine cross section] Tipovye secheniia gornykh vyrabotok.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.6.
[Cross section of mines lined with steel arches and anchor bolting
for 1-, 2- and 3-ton railroad cars] Secheniia vyrabotok, zakreplen-
nykh stal'noi arochnoi i shtangovoi krep'iu, dlia 1-, 2- i 3-tonnykh
vagonetok. 1960. 503 p.   (MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
                    (Mine timbering)

TSOY, I.M.

Clinical electrocardiographic observations in alimentary
toxinfections of salmonellous etiology. Sov. med. 28
no.6:79-83 Je '65.   (MIRA 18:8)

1. Kafedra infektsionnykh bolezney (zav. prof. K.V. Bunin)
I Moskovskogo ordena Lenina meditsinskogo instituta imeni
I.M. Sechenova na baze Klinicheskoy bol'nitsy infektsionnykh
bolezney Nr.2 (glavnyy vrach N.G. Zareshkover).

TSOY, G.A.

Calculating the erosion process in the straightening of river bends of small curvature under conditions of sandy soils. Izv. AN Uz. SSR. Ser. tekh. nauk 9 no.3:56-62 '65.   (MIRA 18:8)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut vodnykh problem i gidrotekhniki.

TSOY, G.A.

Using the method of approximation to determine lateral dimen-
sions of self-scouring bed in gravel and pebbly soils. Vop.
gidr. no.13:140-144 '63   (MIRA 17:8)

TSOY, G.A.

Laboratory studies of the process of self-scour. Izv. AN Uz. SSR. Ser. tekh. nauk 9 no. 1:64-71 '65   (MIRA 19:1)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut vodnykh problem i gidrotekhniki. Submitted September 20, 1964.

ARTYKOV, Abdulla ; TSOY, Grigoriy Leont'yevich; BONDARENKO, M., red.;
ABBASOV, T., tekhn. red.

[Reliable beacon of cotton growers; Stalin Collective Farm,
Yangi-Yul' District, Tashkent Province] Nadezhnyi maiak khlop-
korobov; Kolkhoz im. Stalina, Anguiul'skogo raiona, Tashkent-
skoi oblasti. Tashkent, Gos.izd-vo UzSSR, 1961. 31 p.
(MIRA 15:1)

(Yangi-Yul' District--Cottong growing)

TSOY, G.L.

Problems with regard to efficient use of land in the Golodnaya
Steppe. Mat. po proizv. sil. Uzb. no.15:441-447 '60.
(MIRA 14:8)

1. Institut ekonomiki Uzbekskoy Akademii sel'skokhozyaystvennykh
nauk.
(Golodnaya Steppe--Agriculture)

IMAMALIYEV, A.S.;   TSOY, G.V.

Unusual localization of osteochondropathy of the sternal end of the
clavicle. Ortop. travm. i protez. 21 no. 10:65-66 '60.
(MIRA 14:1)

(CLAVICLE—DISEASES)

TSOY, G.V.

Prevention of industrial traumatism among machine operators
in agriculture. Ortop., travm. i protez. no.1:57-61'63.
(MIRA 16:10)

TSOY, G.V.; MANSVETASHVILI, V.M.

State of traumatological aid to the population of the Virgin
Territory. Ortop. travm. i protez. 26 no.6:56-60 Je '65.
(MIRA 18:8)

TSOY, G.V. (TSelinograd, ul. Mira, d.48, kv.9)

Results of the study of industrial traumatism in workers
of the repair shops of the state farms in the Virgin Terri-
tory. Ortop., travm. i protez. 26 no.1:73-77 Ja '65.
(MIRA 18:5)

1. Glavnyy khirurg TSelinnogo krayevogo otdela zdravookhraneniya.

TSOY, I.V.,kand.sel'skokhozyaystvennykh nauk; PETKILEV, P.V.

Basic cultivation of corn fields in the trans-Volga region of Saratov
Province. Zemledelie 8 no.6:64-70 Je'60.   (MIRA 13:10)

1. Saratovskiy sel'skokhozyaystvennyy institut.
          (Saratov Province--Corn(Maize))

ACC NR: AR6035014   SOURCE CODE: UR/0044/66/000/008/B049/B049

AUTHOR: Tsoy, K. M.

TITLE: The stability of periodic motions of quasilinear autonomous delay systems

SOURCE: Ref. zh. Matematika, Abs. 8B229

REF SOURCE: Matem. zap. Ural'skiy un-t, v. 5, no. 2, 1965, 90-98

TOPIC TAGS: differential equation system, differential equation, quasilinear delay system

ABSTRACT: An analysis is made of the system

$$\frac{d^2x_i}{dt^2} + \omega_i^2 x_i = \mu F_i [x_1, x_2, \dot{x}_1, \dot{x}_2, x_1(t-\tau), x_2(t-\tau), \mu],$$
$$(i = 1, 2),$$

where F_i are continuous with respect to x_1, x_2, $\dot{x}_1$, $\dot{x}_2$, are analytical with respect to $x_1(t-\tau)$, $x_2(t-\tau)$ and μ; ω_1 and ω_2 are incommensur-

UDC: 517.949.2

Card 1/2

ACC NR: AR6035014

able, and μ is small. The known conditions for the existence of periodic solutions of ordinary differential equation systems are correlated for delay systems (for the case of multiple roots of resolvents.) Kh. Tsvang. [Translation of abstract]
[DW]

SUB CODE: 12/

Card 2/2

TSOY, K.M.

Periodic oscillations of quasi-linear autonomous systems with
time-lag. Izv. vys. ucheb. zav.; radiofiz. 7 no.6:1170-1179
'64.   (MIRA 18:3)

1. Ural'skiy gosudarstvennyy universitet.

TSOY, L.A.; PUSHKAREVA, Z.V.; GRYAZEV, V.F.

Some derivatives of 3-amino- and 3-formyl-9-alkyl-6,7-phthaloyl-
carbazoles. Zhur.prikl.khim. 37 no.7:1589-1597 Jl '64.
(MIRA 18:4)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.

L 29368-66

ACC NR: AP6019803   SOURCE CODE: UR/0239/65/051/004/0495/0500

AUTHOR: Serdyuk, N. G.; Sergiyevskiy, V. S.; Tsoy, L. A.

ORG: Animal Laboratory, Institute of Experimental Biology and Medicine, Ministry of Health RSFSR, Novosibirsk (Animal'naya laboratoriya Instituta eksperimental'noy biologii i meditsiny Ministerstva zdravookhraneniya RSFSR)

TITLE: Regulation of coronary blood circulation

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 51, no. 4, 1965, 495-500

TOPIC TAGS: blood circulation, dog, reflex activity, cardiovascular system

ABSTRACT: The relations between the tonus of coronary blood vessels and those of vessels of the large circle of blood circulation were studied on dogs anesthetized with nitrous oxide. The vascular flow resistance was measured in order to take into account the tonus of arterioles as well as of major blood vessels. There was an inverse relation between the flow resistance in the coronary cycle and that in the peripheral part of the large cycle -- i.e., the tonus of coronary vessels was low while that of vessels in the large cycle was high and vice versa. As indicated by the O_2 requirements of the myocardium of the left ventricle, there was no uniform correlation between the load on the myocardium and the tonus of coronary vessels. However, there was a direct relation between the index of efficiency

Card 1/2   UDC: 612.172.1

L 29368-66

ACC NR: AP6019803

of the left ventricle (i.e., of the efficiency with which O_2 was utilized in it) and the flow resistance in the coronary cycle. When the tonus of vessels in the large cycle increased, the tonus in the coronary cycle was reduced by reflex action in order to supply more O_2 to the myocardium working at an increased load. At a reduced tonus in the large cycle and an increased tonus of coronary blood vessels the efficiency index of the myocardium increased because of the functioning of a regulatory mechanism without which hypoxia of the myocardium could have resulted because of the reduction in the lumen of the coronary vessels. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: 30Dec63 / ORIG REF: 004 / OTH REF: 009

Card 2/2

TSOY, L.A.; SERGIYEVSKIY, V.S.; SERDYUK, N.G.; IVASHKEVICH, E.I. (Novosibirsk)

Excision of the coronary vessels in an experiment. Grud. khir. 6
no.4:117   Jl-Ag '64.
(MIRA 18:4)

SERDYUK, N.G.; SERGIYEVSKIY V.S.; TSOY, L.A.

Regulation of the coronary blood circulation. Fiziol.zhur. 51
no.4:495-500 Ap '65.   (MIRA 18:6)

1. Animal'naya laboratoriya Instituta eksperimental'noy biologii
i meditsiny Ministerstva zdravookhraneniya RSFSR, Novosibirsk.

SERGIYEV... V.S., /...; ...VUK, R.G.; TSOY, L.A.; RYAZANTSEV, D.Ye.

Ventricular fibrillation in experimental disorders of the
coronary circulation. Kardiologiia 5 no.1:18-24 Ja-F '65.
(MIRA 18:9)

1. Animal'naya laboratoriya (zav.- kand. med. nauk V.S. Sergiyevskiy)
Instituta eksperimental'noy biologii i meditsiny (direktor - prof.
Ye.N. Meshalkin) Sibirskogo otdeleniya AN SSSR, Novosibirsk.

SERDYUK, N.G.; SERGIYEVSKIY, V.S.; TSOY, L.A.

Hemodynamic changes in the systemic and coronary circulation in
acute disorders of the arterial coronary circulation. Pat. fiziol.
i eksp. terap. no.2:45-50 '64.   (MIRA 17:9)

1. Animal'naya laboratoriya (zav. - kand. med. nauk V.S.Sergiyevskiy)
Instituta eksperimental'noy biologii i meditsiny (dir. - prof. Ye.
N. Meshalkin) Sibirskogo otdeleniya AN SSSR, Novosibirsk.

TSOY, L.A.; PUSHKAREVA, Z.V.; GRYAZEV, V.F.

Special characte istics and chemical transformations of carbazole.
Part 11: Synthesis and structure of phthaloyl derivatives of car-
bazole. Zhur.ob.khim. 34 no.1:284-290 Ja '64.   (MIRA 17:3)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.

SERGIYEVSKIY, V.S.; TSOY, L.A.; SERDYUK, N.G.; IVASHKEVICH, F.I.;
CHEVAGIN, V.N.

Experimental surgery on the coronary arteries of the heart.
Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 9:72-81 '63.
(MIRA 17:12)

SERDYUK, N.G.; SERGIYEVSKIY, V.S.; TSOY, L.A.

Coronary hemodynamics in health. Trudy Inst. klin. i ekap. khir. AN Kazakh. SSR 9:82-86 '63. (MIRA 17:2)

TSOY, L.A.; SERGIYEVSKIY, V.S.; SERDYUK, N.G.; CHEVAGIN, V.N.

Direct vascular anastomoses with the coronary arteries under experimental conditions. Khirurgiia 39 no.11:81-87 N '63.
(MIRA 17:11)

1. Iz eksperimental'noy animal'noy laboratorii (zav. - kand. med. nauk V.S. Sergiyevskiy) Instituta eksperimental'noy biologii i meditsiny Sibirskogo otdeleniya AN SSSR.

TSOY, N.

Our strength lies in our active members. Sov.shakht.
10 no.12:27-28 D '61.   (MIRA 14:12)

1. Predsedatel' shakhtnogo komiteta shakhty "Kapital'naya-1"
tresta Osinnikiugol', Kuzbass.
                        (Trade unions)
                        (Coal miners)

RUMYANTSEV, B.P., dots., otv. red.; GULIDA, E.N., red.; KARTASHOV,
I.N., prof., red.; KIRILLOV, Yu.G., dots., red.;
MOGIL'NYY, N.I., dots., red.; SEVRYUK, V.H., dots., red.;
STAN'KO, D.G., dots., red.; TSOY, N.G., dots., red.;
KHLUS, A.A., dots., red.; POLUBICHKO, B.V., red.

[Problems of locomotive manufacture, technology of machine
manufacture and founding] Voprosy lokomotivostroeniia,
tekhnologii mashinostroeniia i liteinogo proizvodstva.
L'vov, Izd-vo L'vovskogo univ., 1964. 126 p. (MIRA 17:10)

1. Lugansk. Mashinostroitel'nyy institut.

TSOY, N.G.

Determining free vibration frequencies of floors freely supported along the contour. Trudy LVMI 1:66-73   (MIRA 17:7)

Determining free vibration frequencies of floors rigidly clamped along the contour. Ibid.:74-77

TSOY, N.G., kand.tekhn.nauk

Calculating free vibration frequencies with various conditions of support along the contour. Sudostroenie 28 no.11:16-18 N '62.
(MIRA 15:12)

(Vibration (Marine engineering))

KHARITONOV, N.I., dotsent, kand. tekhn. nauk; TSOY, P.I., dotsent, kand.
     fiziko-matem. nauk

Testing steel 35 for corrosive wear in agressive media of the
Moscow coal basin. Nauch. trudy Tul. gor. inst. no.4:220-222 '61.
                                            (MIRA 16:8)

     (Moscow Basin--Steel--Corrosion)

The effect of...

S/137/62/000/006/137/163
A057/A101

authors are compared. The size of the amplitude of the cycle at the fatigue limit decreases somewhat with the increasing of the size of the mean stress. The superposition of a constant tensile stress σ_s 20 kg/mm2 on a symmetric cycle under conditions of a uniform stressed state decreases the endurance limit of St 35, which is determine^d from a symmetric cycle at a non-uniform stressed state, by about 45%; at σ_s = 4 kg/mm2 - by about 27%. There are 7 references.

Ye. Layner

[Abstracter's note: Complete translation]

Card 2/2

28506
S/040/61/025/002/018/022
D201/D302

9 4.1200 (1327)

AUTHOR: Tsoy, P.I. (Tula)

TITLE: The diffraction of (short) sound waves with respect
           to an obstacle (cylinder, sphere, cone and plane)

PERIODICAL: Prikladnaya matematika i mekhanika, v. 25, no. 2,
            1961, 365 - 369

TEXT: The author uses the method of H. Poincaré (Ref. 1: Sur la
diffraction des ondes hertziennes. Rendiconti der Circolo Matema-
tico di Palermo, t. 29, 1910; 3 Oeuvres, t. X, p. 94-203. Gauthier
-Villars, Paris, 1954) to obtain a solution to the problem. From
the theory of sound it is known that for a harmonic function the
velocity potential of sound waves Φ satisfies the Poisson condi-
tion

$$\Delta \Phi + k^2 \Phi = 0 \quad (k = \frac{\sigma}{c} = \frac{2\pi}{\lambda}), \quad (1.1)$$

with the boundary conditions on the surface Σ of the obstacle

Card 1/6

The diffraction of (short) ...

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$$\partial\Phi/\partial n = 0,\tag{1.2}$$

where c is the velocity of sound, λ is the wavelength and n is the inward normal to Σ. The solution is of the form

$$\Phi = \frac{e^{-ikr'}}{r'} + f,\tag{1.3}$$

where the first term represents the velocity potential of a spherical wave radiating from the origin E, r' is the distance of the point M from E, and the second term is the function of the disturbance produced by the waves reflected from Σ. f is given by

$$f = \iint_{\Sigma} \rho \frac{e^{-ikR}}{R} d\sigma.\tag{1.4}$$

Consideration of the conditions on the surface gives

$$\rho = \frac{1 + ikr}{2\pi r^2} e^{-ikr}\cos\psi + \frac{1}{2\pi} \iint_{\Sigma} \rho \frac{1 + ikR'}{R'^2} \frac{\partial R'}{\partial n} e^{-ikR'} d\sigma,\tag{1.6}$$

Card 2/6

where ρ is the density due to the potential of the reflected wave on Σ, and R is the distance between the arbitrary point of Σ and the point M at which the velocity potential is Φ, r is the distance of E from a fixed point of Σ, and R' is the distance between the fixed point and a variable point of Σ, and Ψ is the angle between r and the interior normal to Σ. In the case of a cylindrical obstacle the double integral of (1.6) is obtained in the form

$$\iint\limits_{(\Sigma)} \rho \frac{1+ikR'}{R'^2} \frac{\partial R'}{\partial n} e^{-inR'} d\sigma = \iint\limits_{(C)} \rho \frac{1+ikR'}{R'^2} \frac{\partial R'}{\partial n} e^{-ikR'} d\sigma =$$

$$= \iint\limits_{(C)} \frac{1+ikr}{2\pi r^2} \frac{1+ikR'}{R'^2} \cos\psi \frac{\partial R'}{\partial n} e^{-ik(R'+r')} d\sigma = \qquad (2.3)$$

$$= \iint\limits_{(C)} \frac{1+ikr}{2\pi r^2} \frac{1+ikR'}{\sqrt{4a^2 - R'^2\sin^2\vartheta}} e^{-ik(R'+r')} \cos\psi \sin^2\vartheta \, dR'd\vartheta$$

where C is the part of the surface near to E, $\Sigma - C$ is the part of the surface distant from E (Fig. 3) and

$$\rho = \frac{1+ikr}{2\pi r^2} e^{-ikr} \cos\psi \quad \text{on C} \qquad (2.1)$$

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The diffraction of (short) ...

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and

$$\rho = 0 \text{ on } \Sigma - C. \tag{2.2}$$

Further, on $\Sigma - C$

$$\frac{1}{2\pi} \iint\limits_{(\Sigma)} \rho \frac{1 + ikR'}{R'^2} \frac{\partial R'}{\partial n} e^{-ikR'} d\sigma =$$

$$= -\frac{1 + ikr}{2\pi r^2} e^{-ikr} \cos \psi \tag{2.5}$$

is valid. The function f is found to be

$$\left| f = -\rho \frac{e^{-ik(R_0 + r_0)}}{R_0 + r_0} \right. \quad \rho = \frac{a \sqrt{\sin \alpha}}{\sqrt{\left(a + \frac{2R_0 r_0 \sin \alpha \sin^2 \beta}{R_0 + r_0}\right)\left(a \sin \alpha + \frac{2R_0 r_0 \cos^2 \beta}{R_0 + r_1}\right)}} \tag{3.3}$$

where α and β are shown in Fig. 3, and $r_0 = EA$, $R_0 = BA$, provided M lies in regions I or III (Fig. 4). If M lies in region II then f is given by

$$f = \iint\limits_{(\Sigma)} \rho \frac{e^{-ikR}}{R} d\sigma = \iint\limits_{(C)} \frac{1 + ikr}{2\pi r^2} \cos \psi \frac{e^{-ik(R+r)} d\sigma}{R} = \tag{3.7}$$

Card 4/6

The diffraction of (short) ...

$$= \frac{1 + ikr_0}{2\pi r_0^3} \cos \psi_0 \frac{e^{-ik(R_0 + r_0)}}{R_0} \frac{-2\pi i}{k(R_0^{-1} + r_0^{-1}) \sin \alpha} = -\frac{e^{-ik(R_0 + r_0)}}{R_0 + r_0} = -\frac{e^{-ikr'}}{r'} \qquad (3.7)$$

There are 8 figures and 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc.

SUBMITTED: June 18, 1960

Card 5/6

S/058/62/000/008/064/134
A061/A101

AUTHOR: Tsoy, P. I.

TITLE: Discontinuity of the normal derivative of the potential of a single
            acoustic layer

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 33, abstract 8G292
            ("Nauchn. tr. Tul'sk. gorn. in-t", 1961, collection 3, 86 - 91)

TEXT: For solving the equation $\Delta U + k^2 U = 0$, the potential of a single
acoustic layer is introduced by the formula: $V = \iint \rho \, \dfrac{e^{-ikr}}{r} \, d\sigma$. The normal
derivative of this potential is determined, and it is shown that in a transi-
tion through the surface Σ it undergoes a discontinuity amounting to $2\pi\rho$.

                                                    I. Galkin

[Abstracter's note: Complete translation]

Card 1/1

TSOY, P.I.

Discontinuity of the normal derivative potential of a simple
acoustical layer. Nauch.trudy Tul.gor.inst. no.3:86-91 '61.
(MIRA 16:4)

(Sound waves)

KHARITONOV, N.I.; TSOY, P.I.

Effect of constant stretching stresses on corrosion fatigue
in a monoaxial homogeneous state of stress. Nauch.turyd Tul.
gor.inst. no.3:117-120 '61.   (MIRA 16:4)
                (Corrosion and anticorrosives)
                    (Strains and stresses)

YUDIN, N.P.; EYDEL'SHTEYN, I.A.; TSOY, P.M.

Some facts about the physical and mechanical properties of
Karaganda Basin rocks. Nauch. trudy KNIUI no.13:226-235 '64.
(MIRA 18:1)

SULIMOV, K.G.; TSOY, P.M.

Results of studying the abrasiveness and hardness of rocks
in the Karaganda Basin. Nauch. trudy KNIUI no. 11:25-31 '62.
                                              (MIRA 17:7)